Egev 09/03

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application : MICHAEL VALENTINE AGREZ, ET AL.

Application No. : 10/019,816 Filed : March 27, 2002

Confirmation No. : 9944

For : METHOD OF MODULATING INTEGRIN MEDIATED CELLULAR

ACTIVITY AND AGENTS USEFUL FOR SAME

Examiner

Attorney's Docket : SW-046XX (Now BLAKE-046XX)

TC Art Unit: 1651

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA

22313-1450 on //-/7 -3

Βv

Charles L. Gagnebin III Registration No. 25,467 Attorney for Applicant(s)

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

This SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT is in follow-up to the Supplemental IDS filed October 23, 2003. No new references are cited herein. References cited but not enclosed in the October 23, 2003 IDS are now being furnished to the U.S. Patent Office.

It is desired to cite for the record in this application the enclosed references listed on the attached copy of PTO Form #1449. The paragraph(s) marked below are applicable to this Information Disclosure Statement.

Application No.: 10/019,816

Filed: March 27, 2002

TC Art Unit: 1651

Confirmation No.: 9944

[] (1) Pursuant to 37 C.F.R. § 1.97(b)(1) and (2), the attached Information Disclosure Statement is being filed within three months of the filing date of the above identified national application or within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 of the above identified application. Accordingly, applicant(s) believes that no fee or statement under 37 C.F.R. § 1.97(e) is required.

- [X] (2) Pursuant to 37 C.F.R. § 1.97(b) (3), applicant(s) believes the attached Information Disclosure Statement is being filed before the mailing date of a first Office action on the merits. Accordingly, applicant(s) believes that no fee or statement under 37 C.F.R. § 1.97(e) is required.
- [] (3) Pursuant to 37 C.F.R. § 1.97(b)(4), applicant(s) believes the attached Information Disclosure Statement is being filed before the mailing date of a first Office action after the filing of a request for continued examination under § 1.114. Accordingly, applicant(s) believes that no fee or statement under 37 C.F.R. § 1.97(e) is required.
- [] (4) Pursuant to 37 C.F.R. § 1.97(c), the attached Information Disclosure Statement is being filed before the mailing date of a final action or a notice of allowance and is accompanied by:
 - [] a statement under 37 CFR § 1.97(e); or
 - [] the fee set forth in § 1.17(p).

PETITION UNDER 37 CFR § 1.97(d)

[] (5) Pursuant to 37 CFR § 1.97(d), applicant(s) hereby petitions the Commissioner to consider the attached Information Disclosure Statement which is being filed on or before payment of the issue fee. This petition is accompanied by a statement under 37 C.F.R. § 1.97(e) and the petition fee set forth in 37 C.F.R. § 1.17(p).

STATEMENT UNDER 37 C.F.R. § 1.97(e)(1)

[] (6) The undersigned hereby states that each item of information contained in the attached Information Disclosure Statement was cited in a communication from a foreign patent office in a

Application No.: 10/019,816

Filed: March 27, 2002

TC Art Unit: 1651 Confirmation No.: 9944

counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

STATEMENT UNDER 37 C.F.R. § 1.97(e)(2)

[] (7) The undersigned hereby states that no item of information contained in the attached Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in the attached Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

The filing of this Information Disclosure Statement is not a representation by the undersigned as to personal knowledge of the contents of every word or phrase of the material enclosed or that reliance on other suitably trained professionals has not been made.

If a search report of a searching agency is enclosed identifying the nature of the relevance of each document, such a designation is deemed to satisfy 37 C.F.R. § 1.98(a)(3) even if in a foreign language because the codes are the same in all languages. However, applicant(s) does not necessarily adopt the position reflected by that report.

Please note that ten references are being forwarded, as stated in the Supplemental IDS filed October 23, 2003. One reference cited, WO 01/00677, is in fact the PCT publication of this application (PCT/AU00/00729) which was cited in an International Preliminary Examination Report of a related PCT application by the same inventors. Therefore, we have stricken reference WO 01/00677 from the cited art list. Also, we are enclosing a copy of the complete Carloni article, which was previously submitted as a PUBMED ABSTRACT.

Application No.: 10/019,816

Filed: March 27, 2002

TC Art Unit: 1651

Confirmation No.: 9944

The Commissioner is hereby authorized to charge payment of any additional fees associated with this communication or credit any overpayment to Deposit Account No. 23-0804. Triplicate copies of this letter are enclosed.

Respectfully submitted,

MICHAEL VALENTINE AGREZ, ET AL.

3y: /

Charles I Gagnebin III Registration No. 25,467 Attorney for Applicant(s)

WEINGARTEN, SCHURGIN,
GAGNEBIN & LEBOVICI LLP
Ten Post Office Square
Boston, Massachusetts 02109

Telephone: (617) 542-2290 Telecopier: (617) 451-0313

CLG/mc/298188-1 Enclosure

Date: November 17, 2003

Page 1 of 2

U.S. DEPARTMENT OF COMMERCE					Ī	ATTY. DOCKET NO.		APPLICATION NO.				
(REV. 05/03) PATENT AND TRADEMARK OFFICE												
						SW-046XX		10/019,816				
INFORMATION DISCLOSURE CITATION						(now BLAKE-0	46XX)					
OTP	(Use several sheets if neces											
(10000000000000000000000000000000000000						APPLICANT:						
NOV 1 9 2003 2						Michael Valentine Agrez, et al.						
						FILING DATE		TC ART UNIT				
					١	March 27, 2002		1651				
TORIL		<u>v</u>	U.S. PATENT I	OCUMEN	T	· · · · · · · · · · · · · · · · · · ·		<u> </u>		····		
EXAMINER						IAME CLASS		SUBCLASS	FILING DATE			
INITIAL			ISSUE DATE				02,100	SOBELAGO	1121110	21112		
		LIC	ISSOE DATE									
		US					-	-				
		US				· ·						
			FOREIGN PATEN	T DOCUM	E	NTS						
		DOCUMENT NUMBER	DATE	co	ΟU	INTRY	CLASS	SUBCLASS	TD ANGLATION			
									TRANSLATION			
	_								YES	NO		
					_							
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)								_				
	Boulton, T.G., et al., "Mitogen-activated protein kinase 1," (EC 2.7.1) (1991) (Swiss Prot Acc No. P27703).											
		** Breuss, J.M., et al., "Restricted distribution of integrin β6 mRNA in primate epithelial tissues," J Histochem Cytochem (1993), 41: 1521-1527.										
	** Carloni, V., et al., "The integrin α 6 β 1, is necessary for the matrix-dependent activation of FAK and MAP Kinase and											
	the migration of human hepatocarcinoma cells," Hepatology 2001, Jul; 34(1): 42-9.											
	** Eliceiri, B.P., et al., "The role of av integrins during angiogenesis: insights into potential mechanisms of action and clinical development," J Clin Invest (1999), 103(9): 1227-30.											
		** Eliceiri, B.P., et al., "Integrin ανβ3 requirement for sustained mitogen activated protein kinase activity during angiogenesis," J Cell Biol (1998), 140(5): 1255-63.										
	** Friedlander, M., et al., "Definition of two angiogenic pathways by distinct \alpha v integrins," Science (1995), 270(5241): 1500-2.											
	Gonzalez, F.A., "H Sapiens 40kDa protein kinase related to rat ERK2," (1992) (GenPept Acc No. CAA77753). *** Gupta, K., et al., "VEGF prevents apoptosis of human microvascular endothelial cells via opposing effects on MAPK/ERK and SAPK/JNK signaling," Exp Cell Res (1999), 247(2): 495-504. Ishii, T., et al., "Integrin-linked Kinase Controls Neurite Outgrowth in N1E-115 Neuroblastoma Cells," J. Biol. Chem. (2001), 276(46): 42994-43003.											
										1		
				DA	TE CONSIDERED							
*EXAMINER		itial if citation considered, whether or no clude copy of this form with next commu			MI	PEP 609; Draw	line through	citation if not in o	conforman	ce and		
not considered.	1110	Jude copy of this form with next commi	ameation to applicant.									

Date: November 17, 2003 Page 2 of 2

U.S. DEPARTMENT OF COMMERCE					ATTY. DOCKET NO.		APPLICATION NO.		
(REV. 05/03)									
,	SW-046XX		10/019,816						
	INFORMATION DISCLOSURE	(now BLAKE-0	46XX)						
OIP	(Use several sheets if nece								
	Ose several sneeds if nece	ADDITION		<u> </u>					
1 1 2001 1 9	1000 pd	APPLICANT:							
B HON 1	H	Michael Valentine Agrez, et al.							
	FILING DATE		TC ART UNIT						
HOV TRACE	- military	March 27, 2	1651						
		U.S. PATENT I	DOCUMENT	S					
EXAMINER	DOCUMENT NUMBER	PUBLICATION/	N	AME	CLASS	SUBCLASS	FILING DATE		
INITIAL		ISSUE DATE							
	US								
	US	-			-				
<u> </u>	03	FORFIGN DA FIRM	T DOCKING	NAME O					
		FOREIGN PATEN			CLASS	Γ			
	DOCUMENT NUMBER	DATE	CO	COUNTRY		SUBCLASS	TRANSI	LATION	
		<u> </u>	1				YES	NO	
	OTHER DOCU	MENTS (including Au	thor, Title, Do	ate, Pertinent Pa	ges, etc.)				
	** Pagès, G., et al., "Signaling angiogenesis via p42/p44 MAP kinase cascade," Ann NY Acad Sci (2000), 902: 187-200.								
	** Redlitz, A., et al., "Angiostatin diminishes activation of the mitogen-activated protein kinases ERK-1 and ERK-2 in human dermal microvascular endothelial cells." J Vasc Res (1999), 36(1): 28-34.								
	Sugiura, N., et al., "Mus muculus DNA for ERK2," exon 7 (1997) (GenPept Acc No. BAA22620).								
	** Tanaka, K., et al., "Roles of e	extracellular signal-re	gulated kina	se 1 / 2 and p3	8 mitogen-	activated protein	n kinase ii	n the	
	** Tanaka, K., et al., "Roles of extracellular signal-regulated kinase 1 / 2 and p38 mitogen-activated protein kinase in the signal transduction of basic fibroblast growth factor in endothelial cells during angiogenesis," Jpn J Cancer Res (1999), 90(6): 647-54.								
	** Yu, Y., et al., "MAP kinases, phosphatidylinositol 3-kinase, and p70 S6 kinase mediate the mitogenic response of human endothelial cells to vascular endothelial growth factor," J Cell Physiol (1999), 178(2): 235-46.								
				<u></u>	···········				
					-				
EXAMINER DATE			TE CONSIDERED						
	Initial if citation considered, whether or Include copy of this form with next comm			PEP 609; Draw	line through	citation if not in	conforman	ce and	
CLG/mc/298202-	**					·		_	